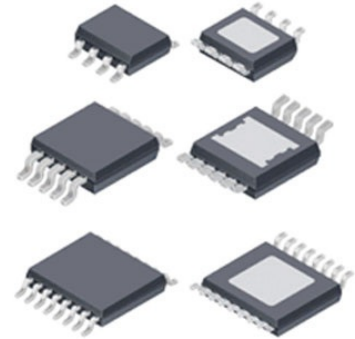


IC, LED DRIVER, Device Topology:Flyback, No. of Outputs:1, Output Current:3A, Output Voltage:-, Input Voltage Min:-, Input Voltage Max:18V, Switching Frequency:300kHz

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	MSOP-16
Product Type	LED Drivers
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LT3799EMSE#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LT3799 is an isolated flyback controller with power factor correction specifically designed for driving LEDs. The controller operates using critical conduction mode allowing the use of a small transformer. Using a novel current sensing scheme, the controller is able to deliver a well regulated current to the secondary side without using an opto-coupler. A strong gate driver is included to drive an external high voltage MOSFET. Utilizing an onboard multiplier, the LT3799 typically achieves power factors of 0.97. The FAULT pin provides notification of open and short LED conditions.

The LT3799 uses a micropower hysteretic start-up to efficiently operate at offline input voltages, with a third winding to provide power to the part. An internal LDO provides a well regulated supply for the part's internal circuitry and gate driver.

TRIAC DimmableLED Current RegulationLT3799YES±10%LT3799-1NO±5%

## Features

Isolated PFC LED Driver with Minimum Number of External Components

TRIAC Dimmable

VIN and VOUT Limited Only by External Components

Active Power Factor Correction (Typical PFC > 0.97)

Low Harmonic Content

No Opto-Coupler Required

Accurate Regulated LED Current ( $\pm 5\%$  Typical)

Open LED and Shorted LED Protection

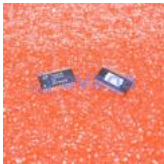
Thermally Enhanced 16-lead MSOP Package

## Application

Offline 4W to 100W+ LED Applications

High DC VIN LED Applications

## Related Products



### [LT3763EFE](#)

Analog Devices, Inc  
TSSOP28



### [LT1038CK](#)

Analog Devices, Inc  
TO-3



### [LTC4417IUF](#)

Analog Devices, Inc  
QFN-24



### [LTC3440EMS](#)

Analog Devices, Inc  
MSOP10



### [LTC1966CMS8#PBF](#)

Analog Devices, Inc  
MSOP-8P



### [LTC2990IMS#PBF](#)

Analog Devices, Inc  
10MSOP



### [LTM8045EY#PBF](#)

Analog Devices, Inc  
BGA40



### [LT4295IUFD#PBF](#)

Analog Devices, Inc  
28-WFQFN